

CP TC12 - 12 kV Oil Test Cell

Accessory to CPC 100



The CP TC12 is used in conjunction with the CPC 100 and CP TD1 to measure tangent delta / power factor and permittivity of insulation liquids, e.g. transformer oil. The three-electrode design with guard allows precise measurement, especially of small losses.

The circular electrodes are constructed from rigid stainless steel and require a sample of 1.2 to 2 liters / 41 to 68 fl.oz.

Electrical connection to the Test Cell is made using the standard cables provided with the CP TD1.

Technical Data

Cell Type	Three-terminal, guarded
Cell Gap Spacing	11 mm / 0.43 in
Meas. Electrode (Ø x H)	149 x 104 mm / 5.9 x 4.1 in
Sample Volume	1.2 - 2 liters / 41 - 68 fl.oz.
Cell Capacitance	65 pF, nominal (in air)
Maximum Test Voltage	12 kV rms
Voltage Operating Range	2.5 - 12 kV for a stress of 200 - 1100 V/mm / 7.9 - 43.3 V/in
HV Connectors	6 mm sockets
Meas. Connectors	4 mm sockets
Inner Dimensions (Ø x H)	172 x 180.8 mm / 6.8 x 7.1 in
Outer Dimensions (W x H x D)	220 x 235.5 x 220 mm 8.7 x 9.3 x 8.7 in
Weight (approx.)	9.2 kg / 20 lbs
Order Number	VEHZ0601

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